

07-22-04

*JFK & RCE*  
2814



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 09/903,059 Confirmation No.: 9375  
First Named Inventor: Bulucea, Constantin Filing Date: 10 July 2001  
Group Art Unit: 2814 Examiner: Farhani, D.  
Atty. Docket No.: NS-4971 US  
Title: Gate-Enhanced Junction Varactor  
Assignee(s): National Semiconductor Corporation

Mountain View, California  
21 July 2004

**MAIL STOP RCE  
COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, Virginia 22313-1450**

**REQUEST FOR CONTINUED EXAMINATION  
UNDER 37 CFR 1.114**

Sir:

This is a Request for Continued Examination ("RCE") of the above patent application under 37 CFR 1.114.

Please enter or/and consider each following document which is enclosed or was previously submitted:

1. Preliminary Amendment dated 21 July 2004.

The RCE fee required under 37 CFR 1.17(e) is authorized in an accompanying transmittal letter.

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07/23/2004 HAL 11 00000079 502641 09903059  
01 FC:1801 770.00 DA

Please telephone Attorney for Applicant(s) at 650-964-9767 if there are any questions.

**EXPRESS MAIL LABEL NO.:**

**EV 337 115 985 US**

Respectfully submitted,

*Ronald J. Meetin*

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Sir:

Transmitted herewith are the following documents for the above patent application:

1. Return Receipt Postcard;
2. This Transmittal Letter (in duplicate);
3. Preliminary Amendment (32 pp.); and
4. RCE (2 pp.).

The fee has been calculated as shown below:

**CLAIMS AS AMENDED**

			Highest No.						
	Claims Remaining <i>After Amendment</i>		Previously <u>Paid For</u>		Present <u>Extra</u>		Rate		<u>Additional Fee</u>
Total Claims	106	Minus	72	=	34	x	\$18.00	\$	612.00
Independent Claims	9	Minus	7	=	2	x	\$86.00	\$	172.00
<input type="checkbox"/> Fee of \$280 for the first filing of one or more multiple dependent claims							\$		
<input type="checkbox"/> Fee for Request for Extension of Time ( month(s)).							\$		
<input checked="" type="checkbox"/> Fee for Request for Continued Examination							\$		770.00
<b><u>Total additional fee for this Amendment:</u></b>								\$	1,554.00
<input checked="" type="checkbox"/> Please charge Deposit Account No. 502641 in the amount of							\$		1,554.00
<input checked="" type="checkbox"/> Conditional Petition for Extension of Time: If an extension of time is required, the Commissioner is authorized to deduct the necessary fee from Deposit Account No. 502641.									
<input checked="" type="checkbox"/> Also, charge any additional fees required and credit any overpayment to Deposit Account No. 502641.									

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**PRELIMINARY AMENDMENT**

Sir:

Responsive to the Office Action mailed 21 April 2004, please amend the above patent application in the following manner.

**IN THE CLAIMS**

Amend Claims 17, 23, 33, 34, 41, 42, 54, 62, and 64 and add Claims 89 - 122 so that the claims are as follows:

1 - 16. (Canceled)

17. (Currently amended) A structure comprising a varactor which comprises:  
a plate region and a body region of a semiconductor body, the body region being of a first conductivity type, the plate region being of a second conductivity type opposite to the first conductivity type, the plate and body regions meeting each other to form a p-n junction;

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172.00 DA

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02 FC:1202  
03 FC:1201